



Fig. 1A



Fig. 1B

PUROMYCIN-TETHERED OLIGO IS LIGATED  
TO mRNA (GENERATED FROM ABOVE  
CONSTRUCT) IN THE PRESENCE OF  
A SPLINT AND DNA LIGASE

NOTE: FOR SHORT ORF'S, THIS  
WHOLE TEMPLATE CAN  
BE MADE SYNTHETICALLY

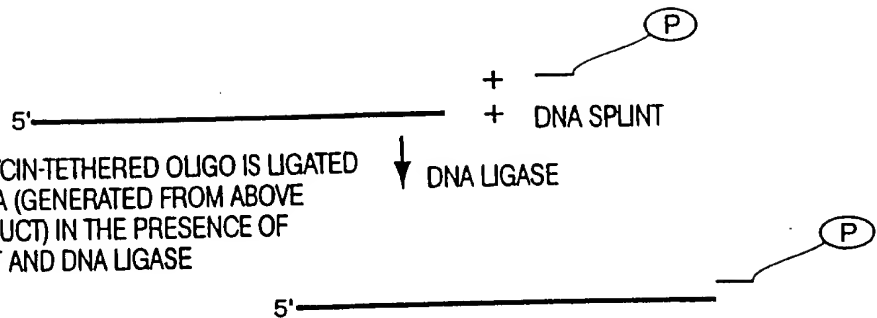
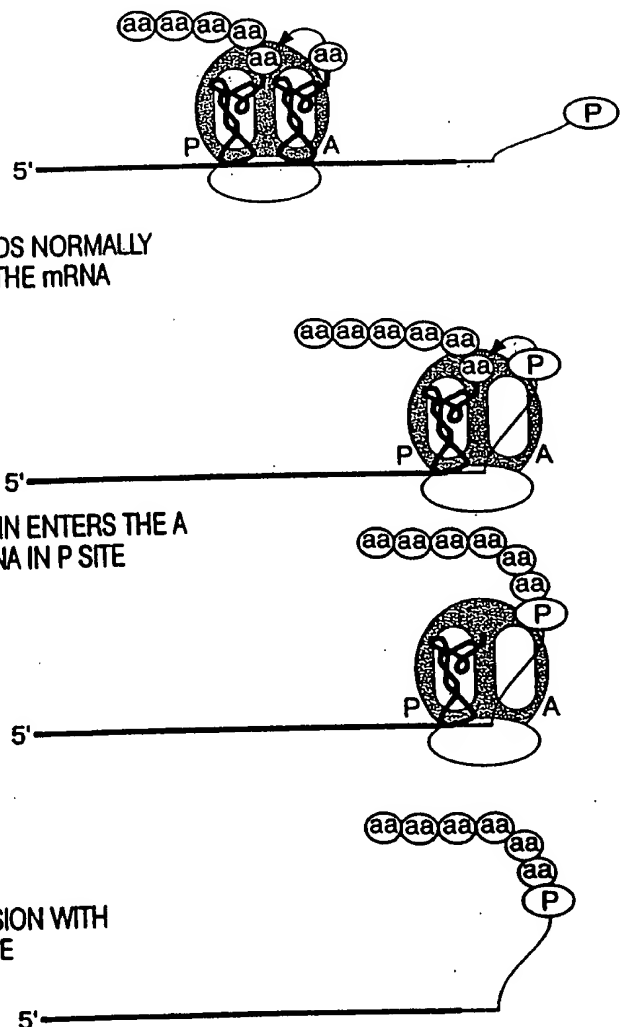


Fig. 1C

IN VITRO TRANSLATION PROCEEDS NORMALLY  
FROM THE 5' TO THE 3' END OF THE mRNA

COVALENTLY LINKED PUROMYCIN ENTERS THE A  
SITE AND ATTACKS PEPTIDYL tRNA IN P SITE

RELEASE OF RNA-PROTEIN FUSION WITH  
HIGH SALT WASH OF RIBOSOME



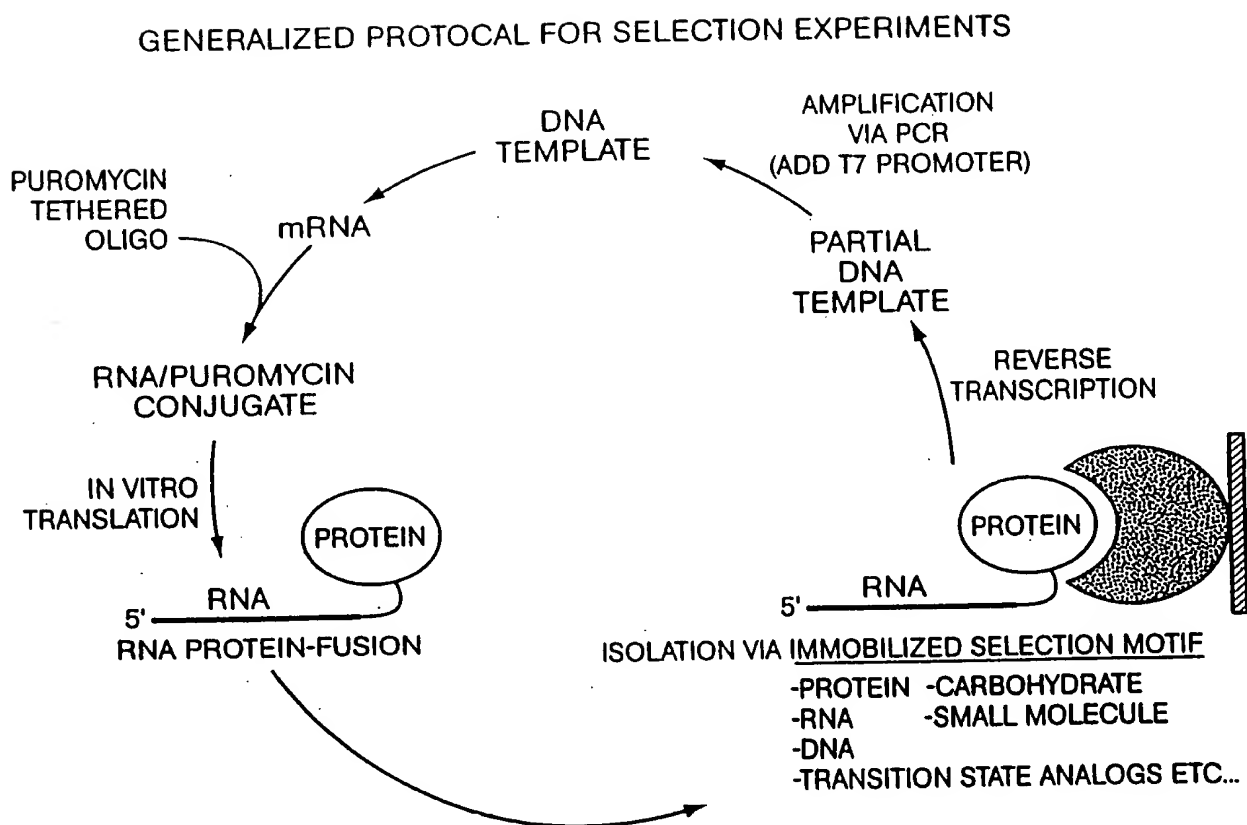


Fig. 2

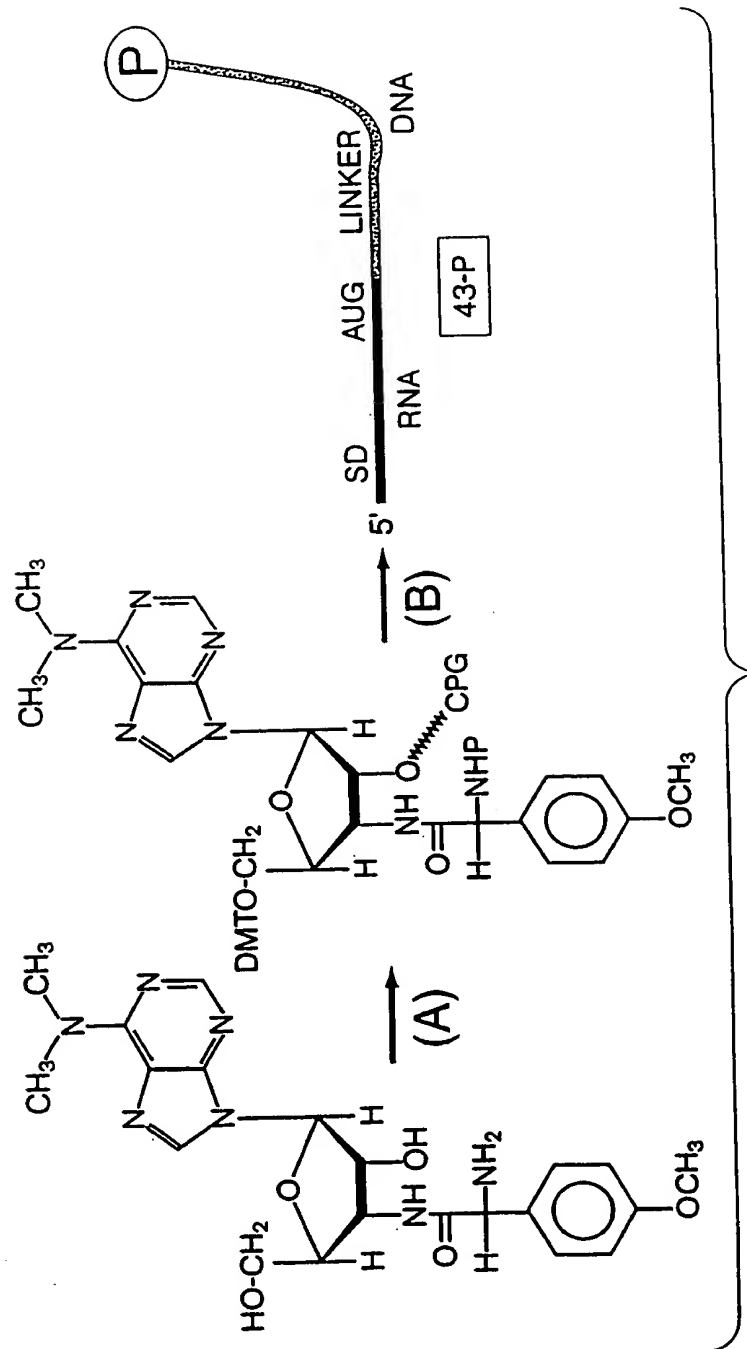


Fig. 3

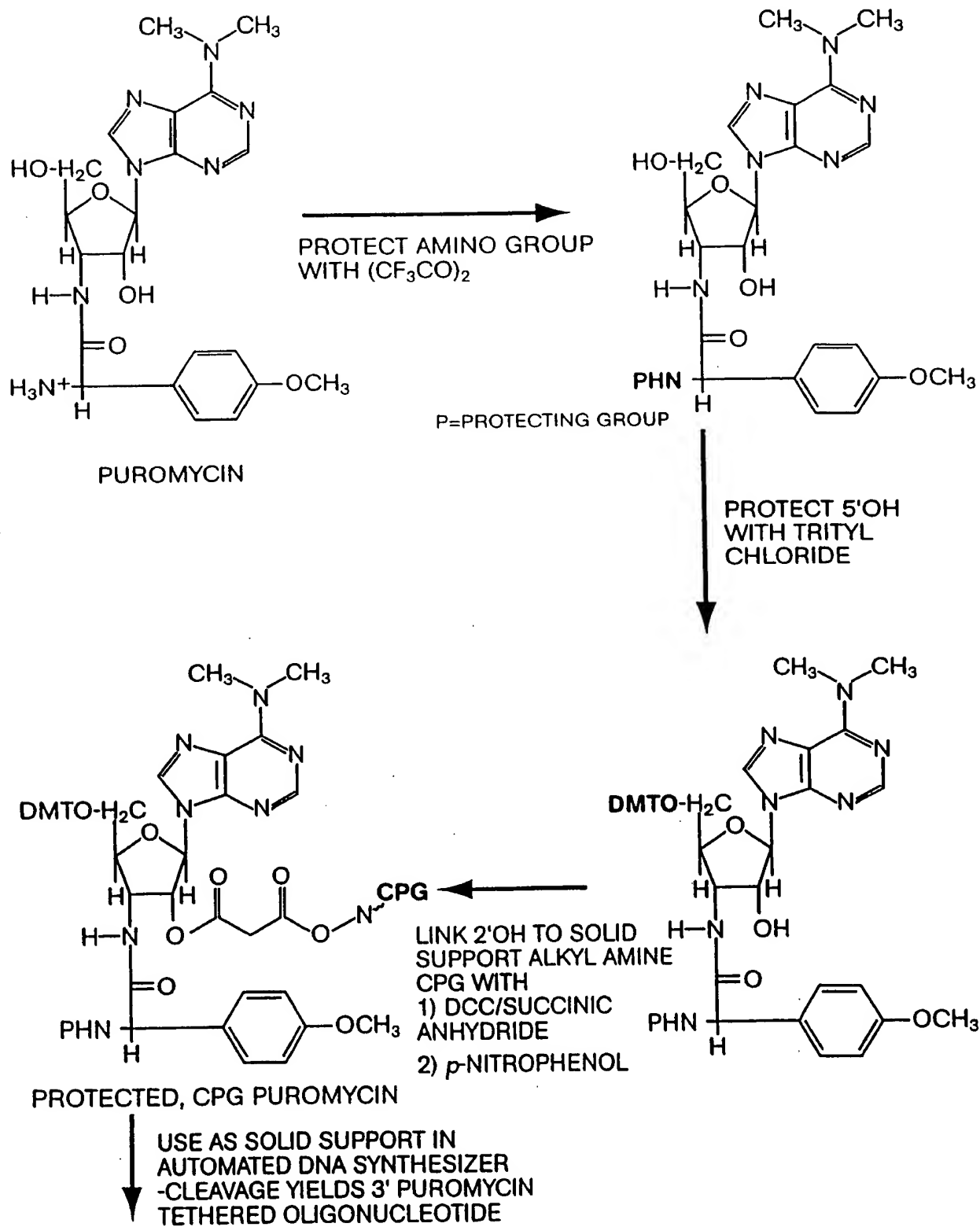


Fig. 4

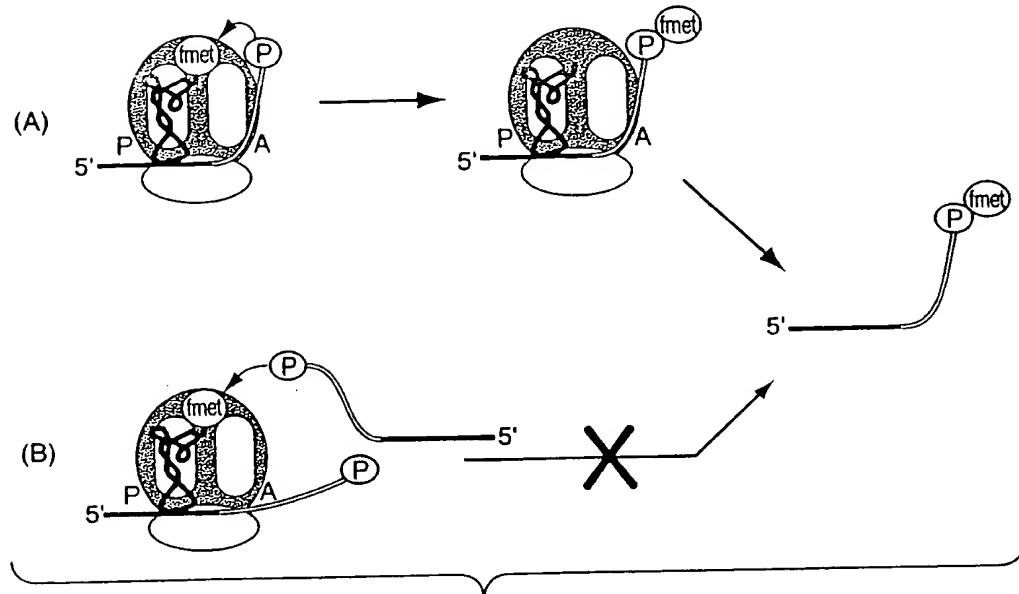


Fig. 5

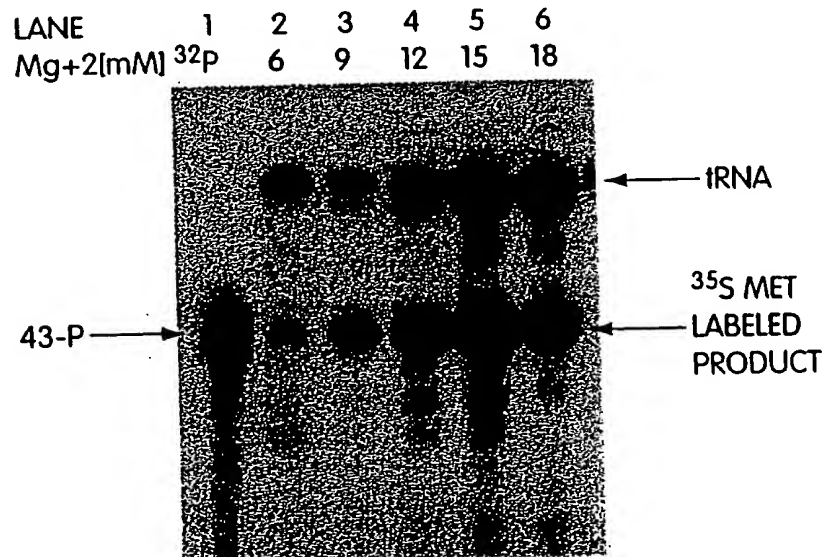


Fig. 6A

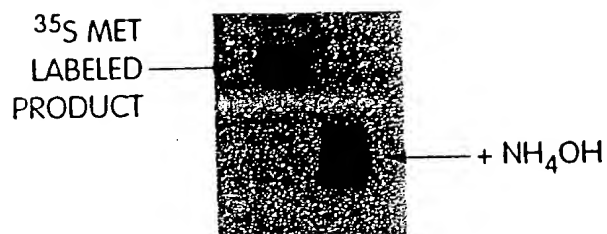


Fig. 6B

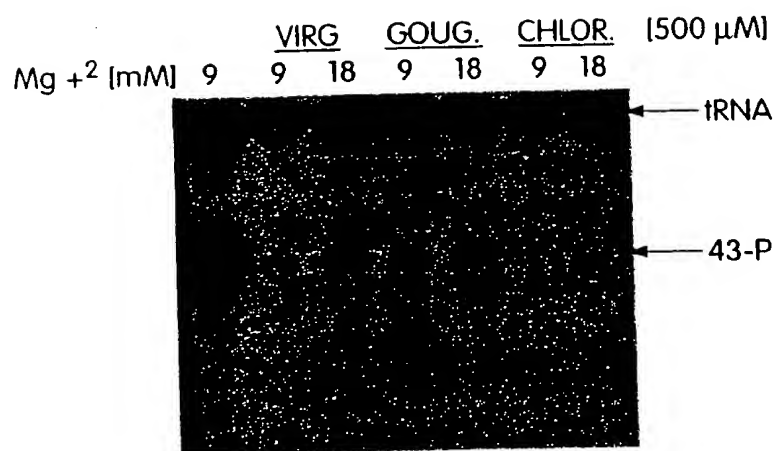


Fig. 6C

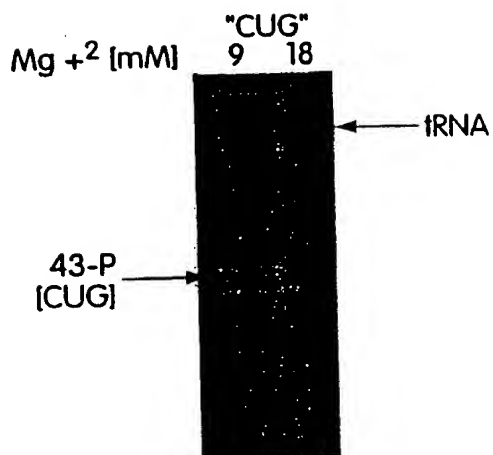


Fig. 6D

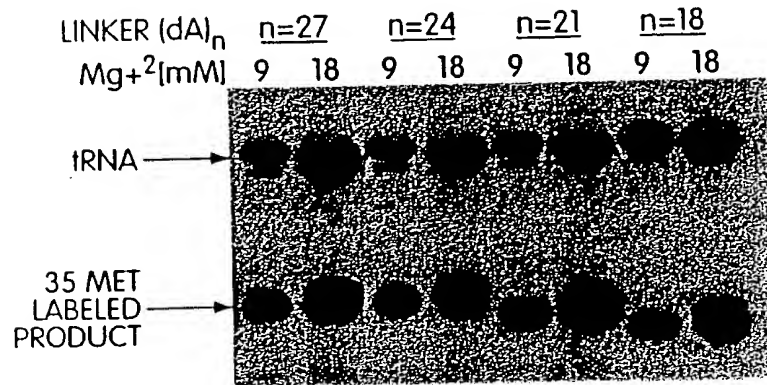


Fig. 6E

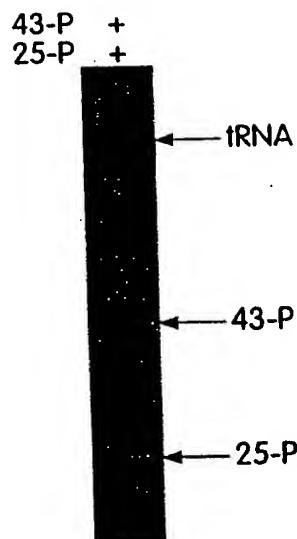


Fig. 6F

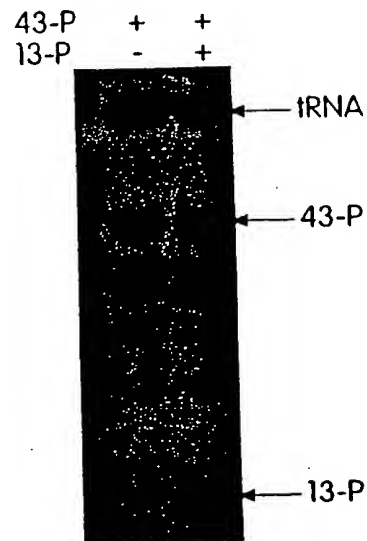


Fig. 6G

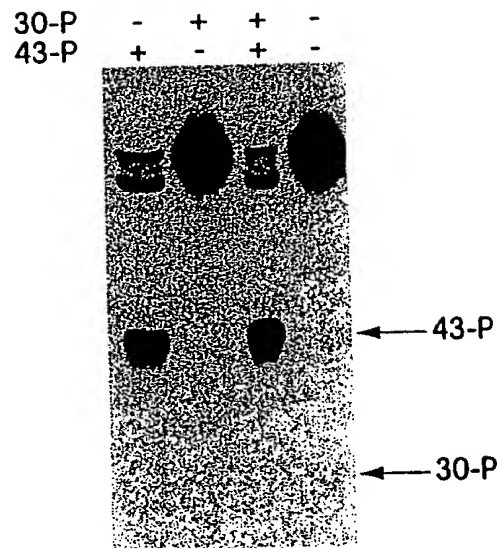


Fig. 6H



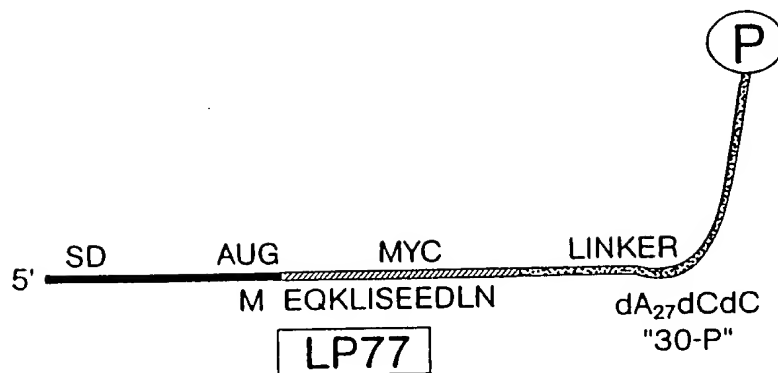


Fig. 7A

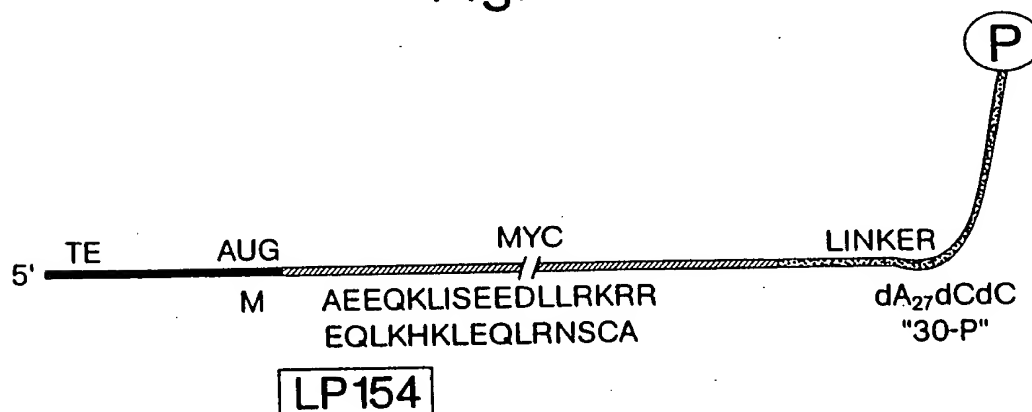


Fig. 7B

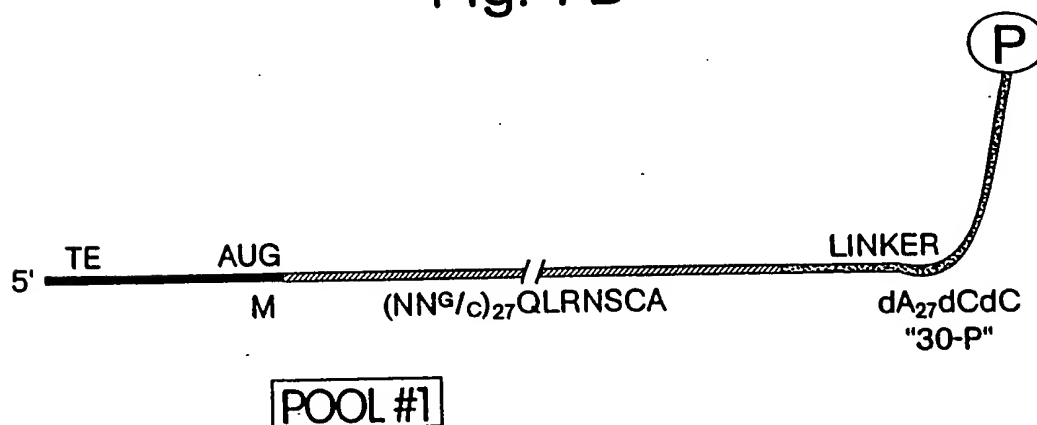


Fig. 7C

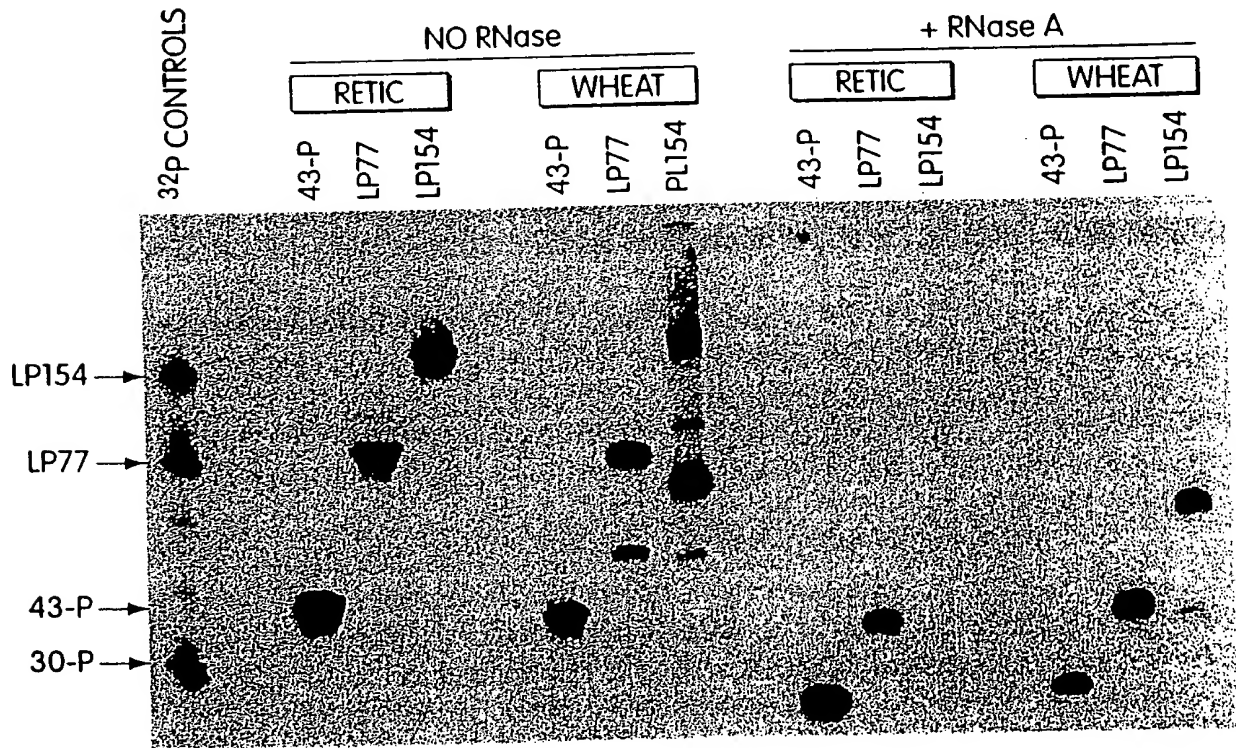


Fig. 8

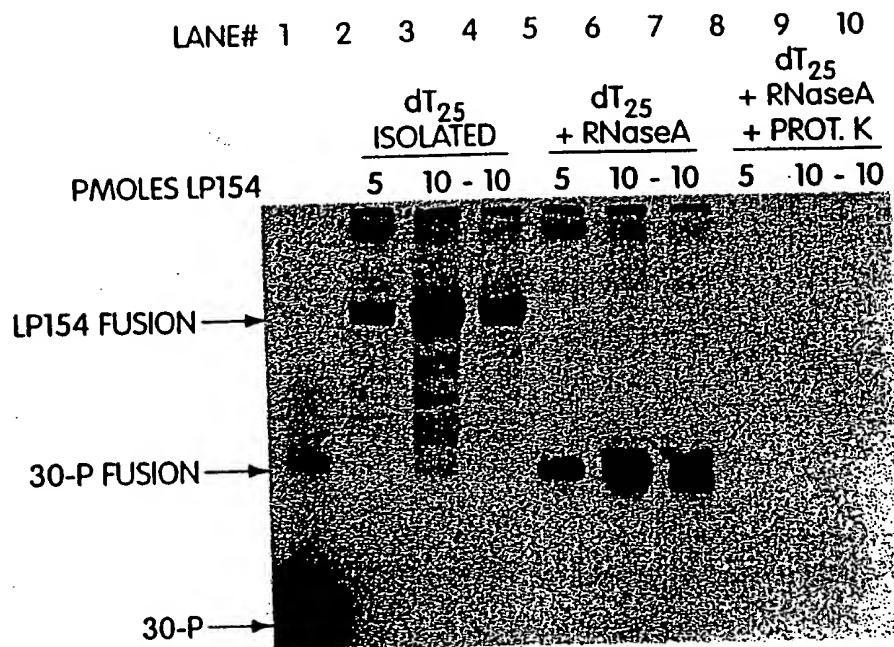


Fig. 9

Replacement Sheet  
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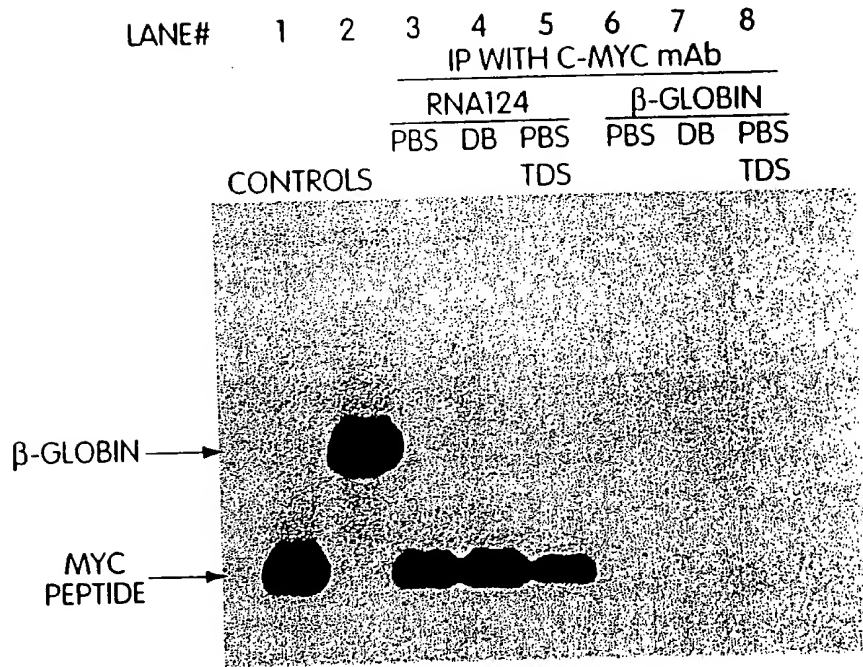


Fig. 10

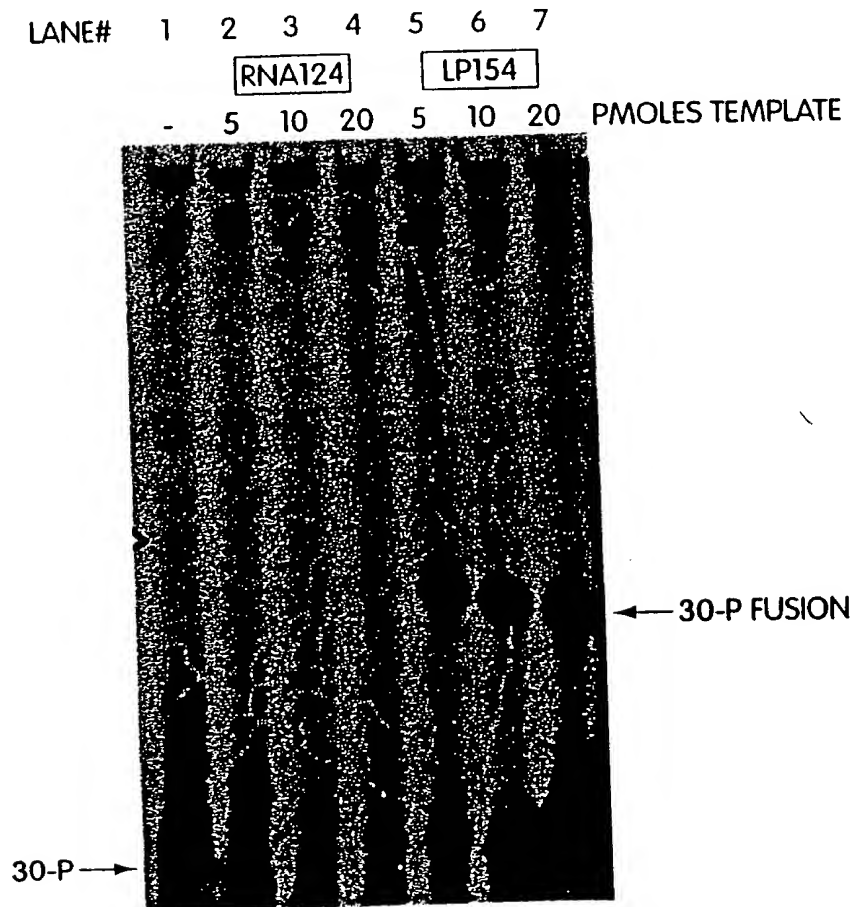


Fig. 11

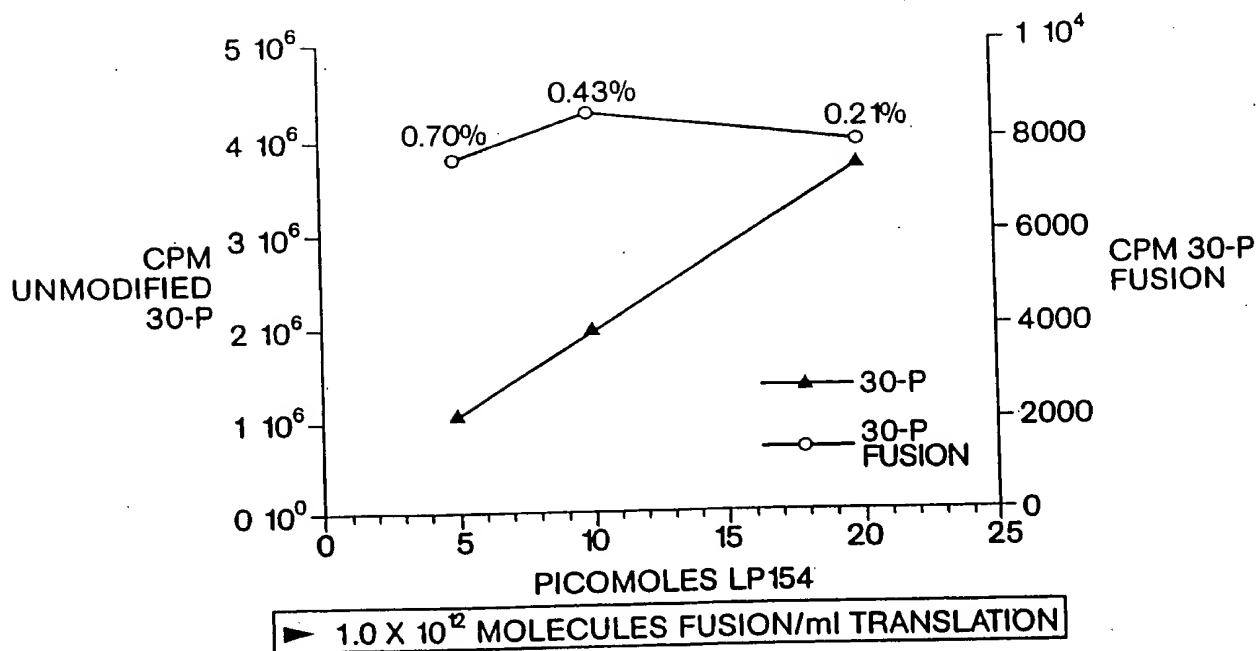


Fig. 12

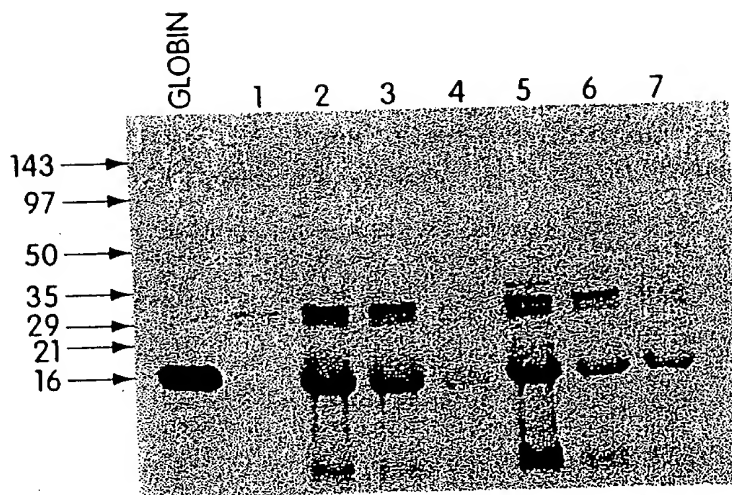


Fig. 15A

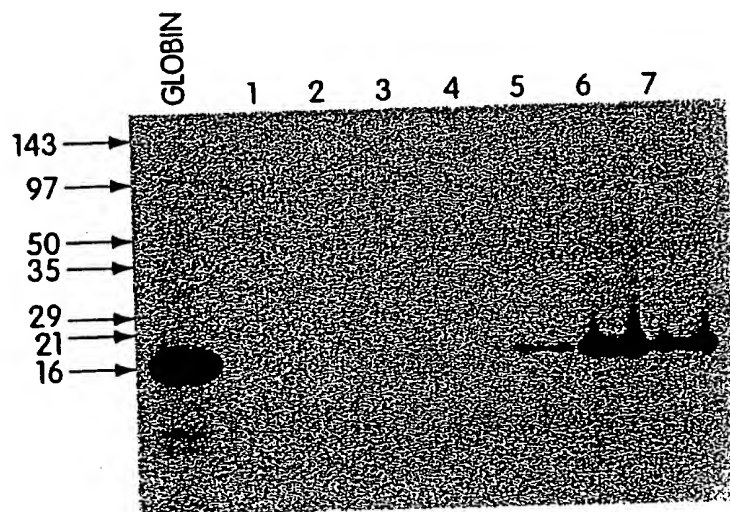


Fig. 15B

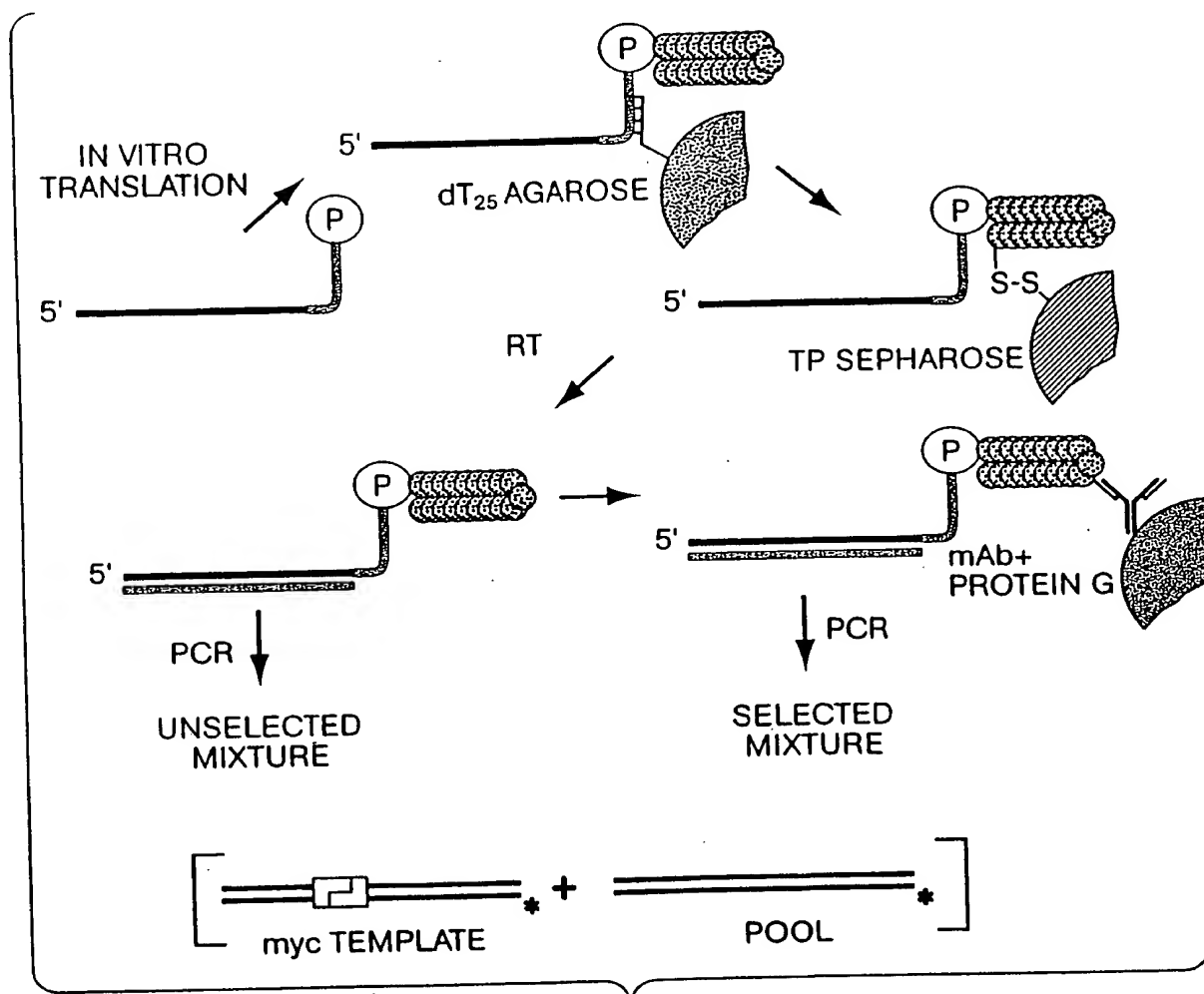


Fig. 16A

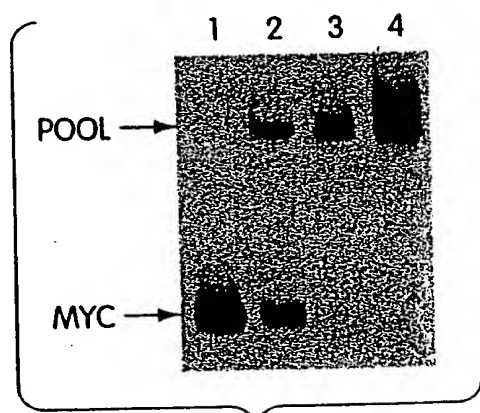


Fig. 16B

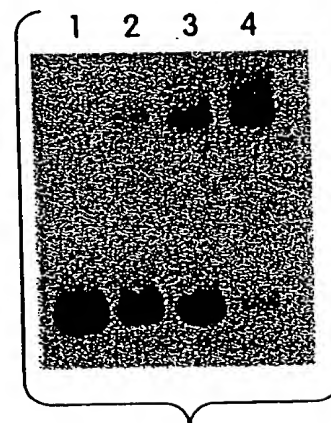


Fig. 16C

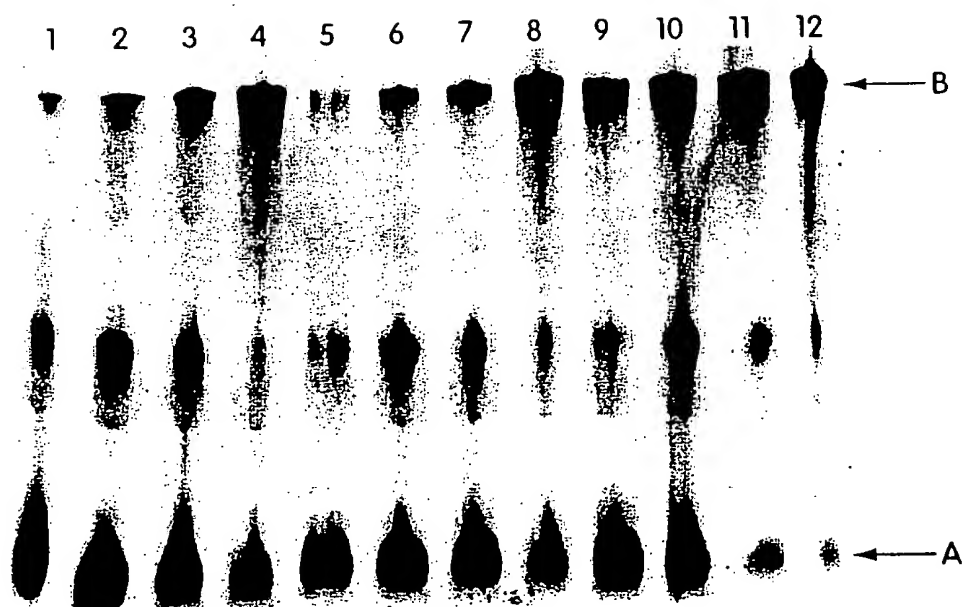


Fig. 17

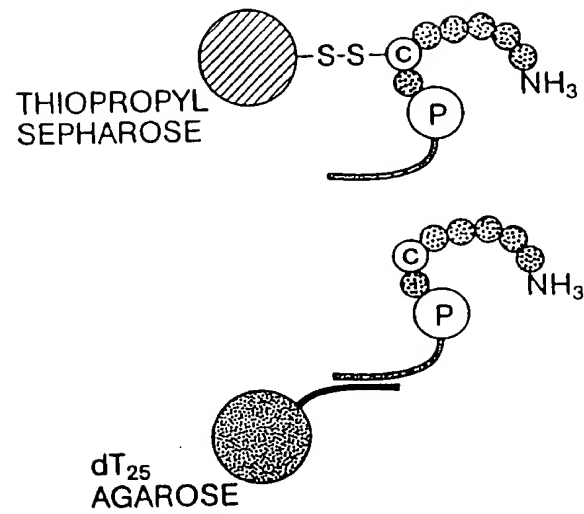


Fig. 13

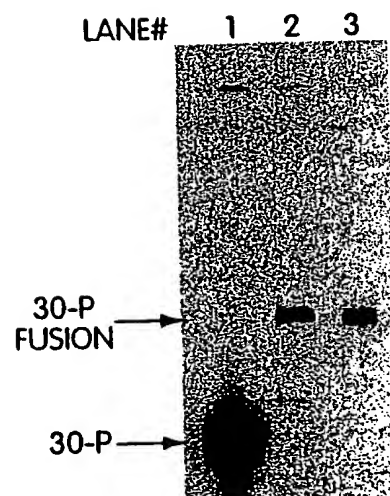


Fig. 14



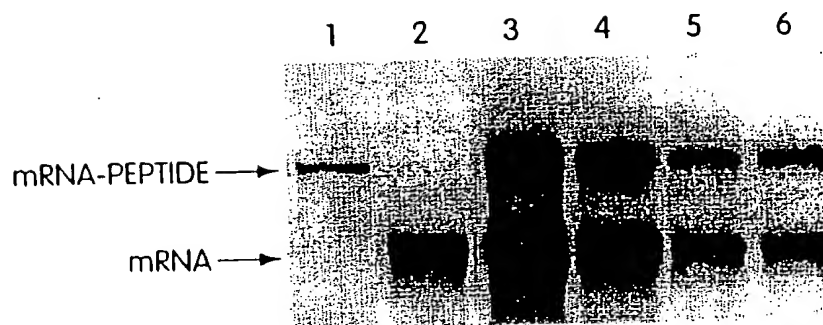


Fig. 18

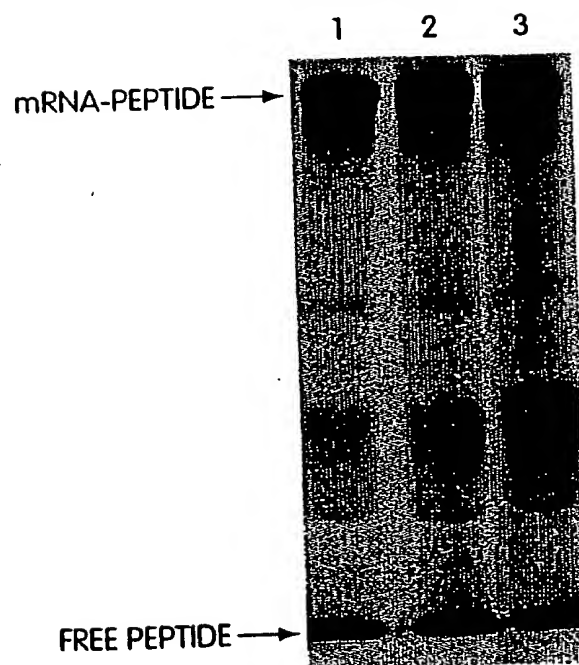


Fig. 19

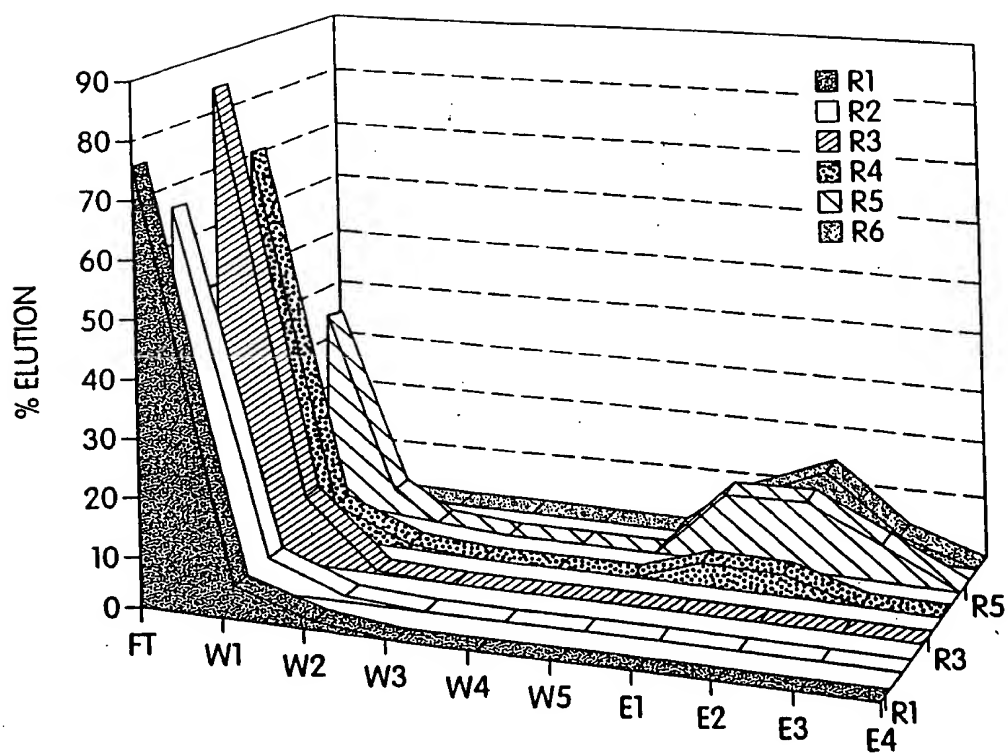


Fig. 20

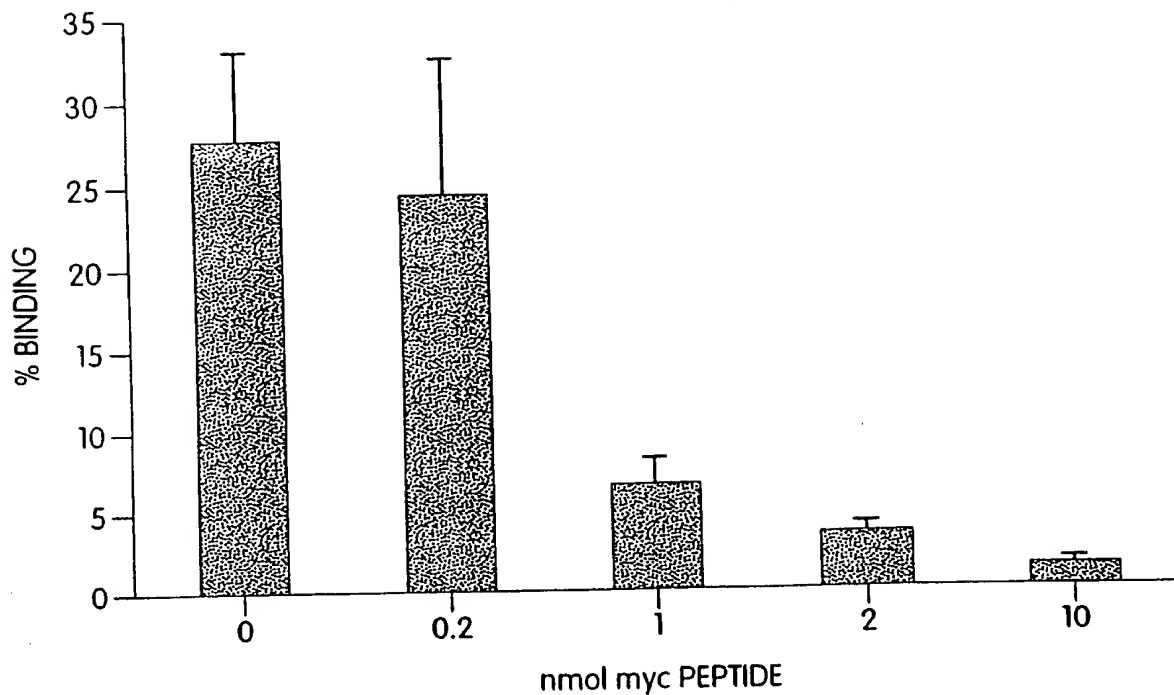


Fig. 21

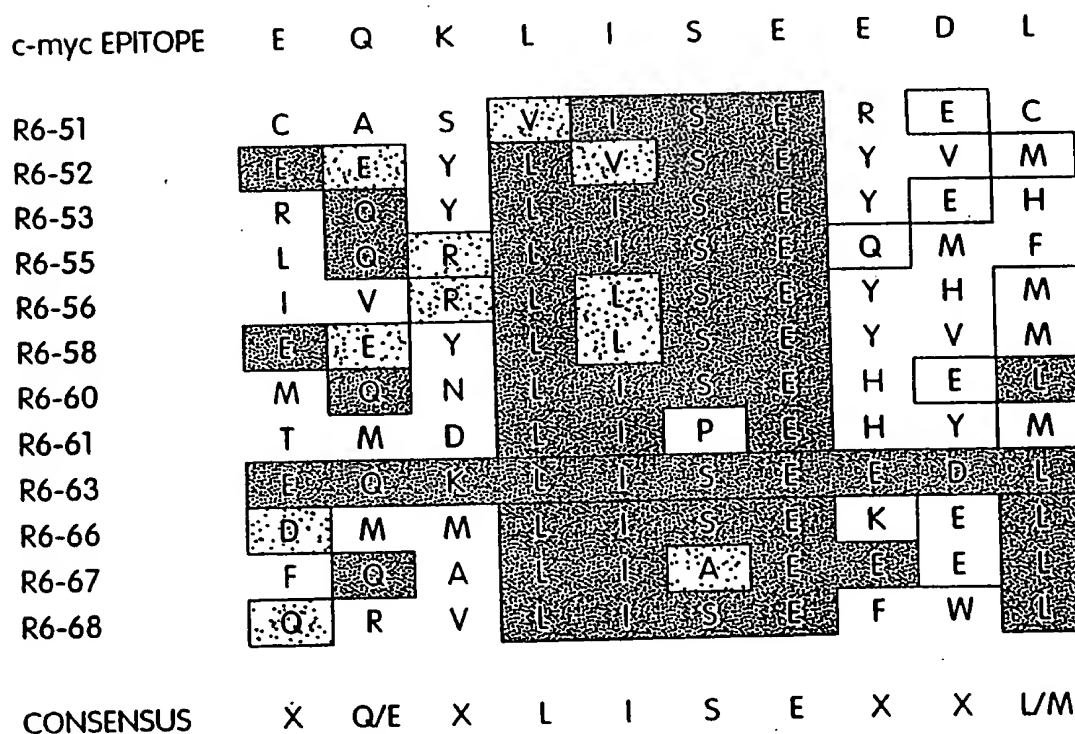


Fig. 22

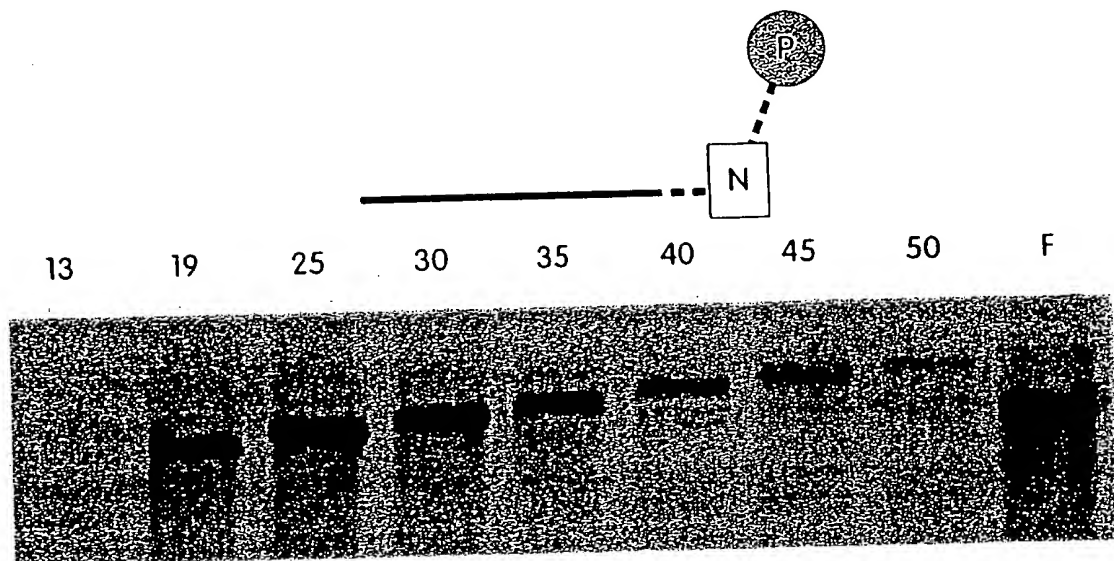


Fig. 23

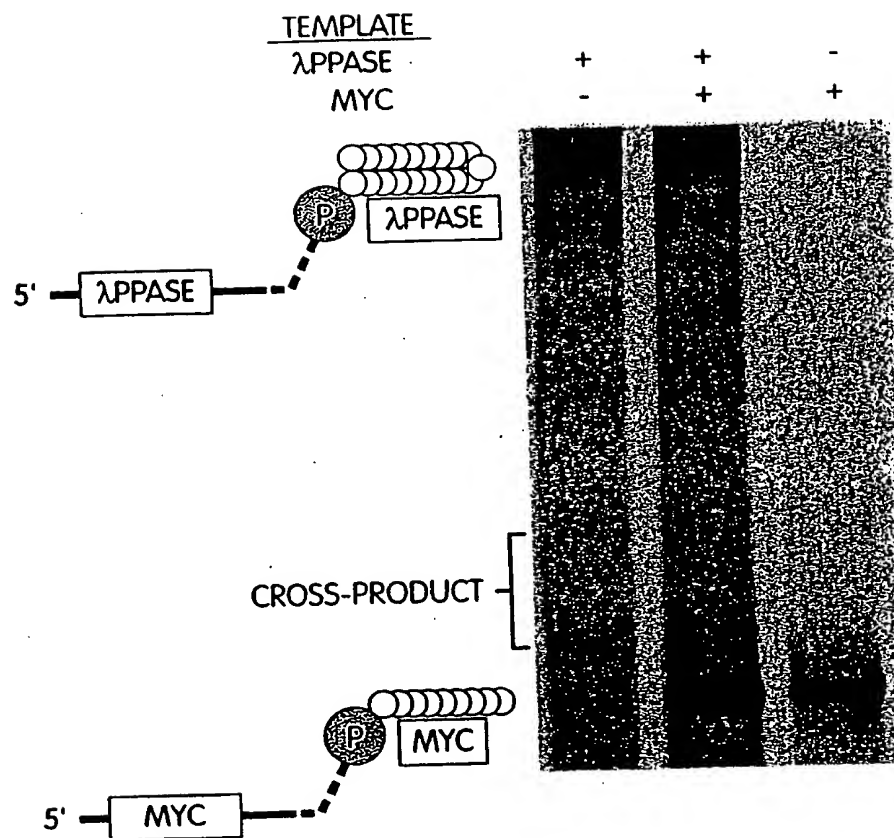


Fig. 24